

DE 10065075

DERWENT- 2002-549492

ACC-NO:

DERWENT- 200259

WEEK:

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TITLE: Mixture used in the production of molded parts contains vermiculite, phosphate binder, water, highly dispersed metal oxide, clay, and a combination of inorganic silicates

INVENTOR: ZEUG, S

PATENT-ASSIGNEE: ZEUG S[ZEUGI]

PRIORITY-DATA: 2000DE-1065075 (December 23, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 10065075 A1	June 27, 2002	N/A	004	C04B 014/20

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 10065075A1	N/A	2000DE-1065075	December 23, 2000

INT-CL (IPC): C04B014/20, C04B022/00 , C04B028/34 , C04B038/00

ABSTRACTED-PUB-NO: DE 10065075A

BASIC-ABSTRACT:

NOVELTY - Mixture contains (in wt.%) 60-90 vermiculite, 5-20 phosphate binder, 5-20 water, 0-6 highly dispersed metal oxide, 0-10 clay, and 0.5-15 of a combination of inorganic silicates.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a process for the production of a molded part.

Preferred Features: The mixture contains 76.0 vermiculite, 9.0 phosphate binder, 9.0 water, 1.0 highly dispersed metal oxide, 1.5 clay, and 3.5 of a combination of inorganic silicates. The phosphate binder is made from aluminum phosphate, magnesium phosphate, sodium aluminum phosphate, boron phosphate, chromium phosphate, phosphoric acid, and/or polyphosphate. The highly dispersed metal oxide is silicic acid, aluminum oxide or zirconium oxide.

USE - Used in the production of molded parts (claimed).

ADVANTAGE - The parts produced have high strength, good heat insulating properties and good electrical insulating properties.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: MIXTURE PRODUCE MOULD PART CONTAIN VERMICULITE PHOSPHATE BIND WATER HIGH DISPERSE METAL OXIDE CLAY COMBINATION INORGANIC

DERWENT-CLASS: L02 L03

CPI-CODES: L02-A03; L02-D15D; L03-A03B;

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2002-155934